

NOTICE OF DRAFTSPERSON'S  
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 6-18-99 are:

A.  approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
 B.  objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(l):
Black ink (Color) _____	Words do not appear on a horizontal; left-to-right-fashion, when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____
Color drawings are not acceptable until petition is granted. Fig(s) _____	9. SCALE. 37 CFR 1.84(k):
Pencil and non black ink not permitted: Fig(s) _____	Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____
2. PHOTOGRAPHS. 37 CFR 1.84 (h):	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(i):
1 full-tone set is required. Fig(s) _____	Lines; numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) _____
Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) _____	11. SHADING. 37 CFR 1.84(m):
Poor quality (half-tone). Fig(s) _____	Solid black areas pale. Fig(s) _____
3. TYPE OF PAPER. 37 CFR 1.84(e):	Solid black shading not permitted. Fig(s) _____
Paper not flexible, strong, white, and durable. Fig(s) _____	Shade lines, pale, rough and blurred. Fig(s) _____
Erasers, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p):
Mylar, velum paper is not acceptable (too thin). Fig(s) _____	Numbers and reference characters not plain and legible. Fig(s) _____
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:	Figure legends are poor. Fig(s) _____
21.0 cm by 29.7 cm (DIN size A4)	Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1). Fig(s) _____
21.6 cm by 27.9 cm (8 1/2 x 11 inches)	English alphabet not used. 37 CFR 1.84(p)(2). Fig(s) _____
All drawing sheets not the same size.	Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) _____
Sheet(s) _____	13. LEAD LINES. 37 CFR 1.84(q):
Drawings sheets not an acceptable size. Fig(s) _____	Lead lines cross each other. Fig(s) _____
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:	Lead lines missing. Fig(s) _____
Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i):
SIZE: A4 Size	Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm	15. NUMBERING OF VIEWS. 37 CFR 1.84(u):
SIZE: 8 1/2 x 11	Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
Margins not acceptable. Fig(s) _____	16. CORRECTIONS. 37 CFR 1.84(w):
Top (T) Left (L) Right (R) Bottom (B)	Corrections not made from prior PTO-948 dated _____
6. VIEWS. 37 CFR 1.84(h):	17. DESIGN DRAWINGS. 37 CFR 1.152:
REMINDER: Specification may require revision to correspond to drawing changes.	Surface shading shown not appropriate. Fig(s) _____
Partial views. 37 CFR 1.84(h)(2):	Solid black shading not used for color contrast. Fig(s) _____
Brackets needed to show figure as one entity. Fig(s) _____	
Views not labeled separately or properly. Fig(s) _____	
Enlarged view not labeled separately or properly. Fig(s) _____	
7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3):	
Hatching not indicated for sectional portions of an object. Fig(s) _____	
Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____	

## COMMENTS

REVIEWER J DATE 11-2-99 TELEPHONE NO. 263-305-8426

ATTACHMENT TO PAPER NO. \_\_\_\_\_

**INFORMATION ON HOW TO EFFECT DRAWING CHANGES**

**1. Correction of Informalities-37 CFR 1.85**

File new drawings with the changes incorporated therein. The application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application, should be placed on the back of each sheet of drawings in accordance with 37 CFR 1.84(c). Applicant may delay filing of the new drawings until receipt of the Notice of Allowability (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Processing Branch.

**2. Timing for Corrections**

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37). If a correction is determined to be unacceptable by the Office, applicant must arrange to have acceptable corrections resubmitted within the original three-month period to avoid the necessity of obtaining an extension of time and paying the extension fee. Therefore, applicant should file corrected drawings as soon as possible.

Failure to take corrective action within set (or extended) period will result in ABANDONMENT of the Application.

**3. Corrections other than Informalities-Noted by the Drawing Review Branch on the Form PTO-948**

All changes to the drawings, other than informalities noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

STAN M. MOO

REVIEWER  
APR 20 1988